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- (71) Applicant (for all designated States except US): TORO-TRAK (DEVELOPMENT) LIMITED [GB/GB]; 1 Aston Way, Leyland, Lancashire PR26 7UX (GB).
- (71) Applicants (for US only): FIELD, Matthew, Gibson [GB/GB]; 42 Poplar Drive, Longridge, Lancashire PR3 3HS (GB). MURRAY, Stephen, William [GB/GB]; St Michaels, Preston Road, Grimsargh PR2 5SD (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): BURKE, Matthew, Piers [GB/GB]; 34 Parson Lane, Clitheroe, Lancashire, BB7 2JP (GB).

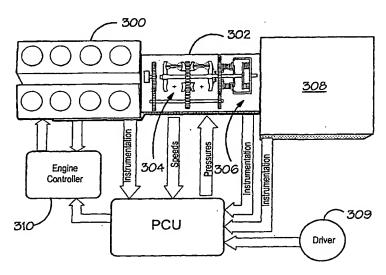
- (74) Agent: W.P. THOMPSON & CO; Coopers Building, Church Street, Liverpool LI 3AB (GB).
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(54) Title: METHOD OF CONTROLLING A CONTINUOUSLY VARIABLE TRANSMISSION



(57) Abstract: There is described a method of controlling a continuously variable ratio transmission of the type comprising a continuously variable ratio unit ("variator") which has rotary input and output members though which the variator is coupled between an engine and a driven component, the variator receiving a primary control signal and being constructed and arranged such as to exert upon its input and output members torques which, for a given variator drive ratio, correspond directly to the control signal, the method comprising: determining a target engine acceleration, determining settings of the variator's primary control signal and of an engine torque control for providing the required engine acceleration and adjusting the control signal and/or the engine torque control based on these settings, predicting a consequent engine speed change, allowing for engine and/or transmission characteristics, and correcting the settings of the control signal and engine torque based on a comparison of actual and predicted engine speeds.





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